"Deployment on Flask" assignment

Data glacier internship

Name: G2M insight for Cab Investment firm

Submission date: 2nd October 2022

Internship Batch: LISUM13: 30

Deployment steps:

Pick the data
 Dataset used is Fish market data available on Kaggle <u>Dataset</u>
 <u>link</u> to predict the fish's weight.

2) Generate the linear regression model (.pkl)

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Sypider(Python 3.7)

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3) Deployment on Flask

a. Create flask deployement.py file

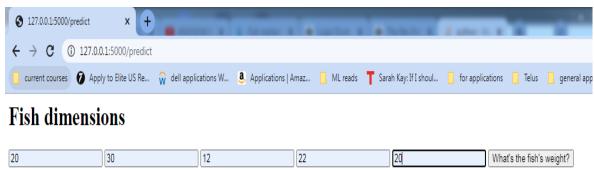
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Spyder (Python 3.7)
File Edit Search Source Run Debug Consoles Projects Tools View Help
 Editor - C:\Users\Rania Fleifel\Flask\flask deployement.py
                                                                                                                  ₽×
model_generation.py I flask deployement.py
                                                                                                                   Ф
  1 # -*- coding: utf-8 -*-
  3 Created on Sun Oct 2 03:47:21 2022
  5 @author: Rania Fleifel
  8 from flask import Flask,render_template,request
  9 import numpy as np
  10 import pickle
                    _,template_folder='templates')
  13 model=pickle.load(open('fish_LinearRegression.model','rb'))
  15 @app.route("/")
  16 def home():
       return render_template('index.html')
  19 @app.route('/predict',methods=['POST'])
  20 def predict():
       int_features=[int(x) for x in request.form.values()]
  21
        final_features=[np.array(int_features)]
       prediction=model.predict(final_features)
       output=np.round_(prediction[0],2)
       return render_template('index.html',prediction_text='The weight of the fish is {} gms'.format(output[0]))
  28
       #return render_template('indexorig.html')
  29
                 main
       app.run(debug=True)
                                                                                             Permissions: RW End-of-lines: (
```

b. Run flask_deployement.py from command prompt

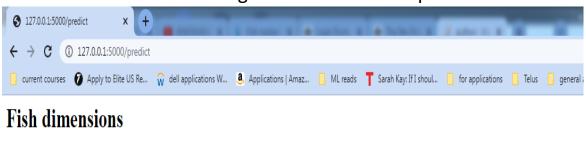
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(base) C:\Users\Rania Fleifel\Flask\python flask_deployement.py
* Serving Flask app "flask_deployement" (lazy loading)
* Environment: production
WARNING: No not use the development server in a production environment.
Use a production WSGI server instead.
* Debug mode: on
* Running on http://127.0.0.1:5000 (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 985-833-181
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***Transport of the production of the production environment.
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c. Open https://127.0.0.1:5000

d. Enter fish information



e. Press "what's the fish's weight" to submit the inputs



What's the fish's weight?

The weight of the fish is 552.0 gms